

For Research Use Only

# FITC Plus Anti-Human CD73 (AD2)

Catalog Number: FITC-65162 **1 Publications**



## Basic Information

**Catalog Number:**  
FITC-65162

**Size:**  
100tests, 5 µl/test

**Source:**  
Mouse

**Isotype:**  
IgG1, kappa

**GenBank Accession Number:**  
BC015940

**GeneID (NCBI):**  
4907

**Full Name:**  
5'-nucleotidase, ecto (CD73)

**Calculated MW:**  
29 kDa, 63 kDa

**Purification Method:**

The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

**CloneNo.:**  
AD2

**Excitation/Emission maxima wavelengths:**  
495 nm / 524 nm

## Applications

**Tested Applications:**  
FC

**Cited Applications:**  
FC

**Species Specificity:**  
Human

**Cited Species:**  
human

## Background Information

CD73, also known as ecto-5'-nucleotidase (5'-NT), is a 70-kDa, glycosyl-phosphatidylinositol-linked membrane-bound glycoprotein found in most tissues (PMID: 18404475; 20179192). CD73 is an ectoenzyme that catalyzes the dephosphorylation of AMP and other nucleoside monophosphates (PMID: 9553767). In the human immune system, CD73 is expressed on subsets of T and B cells, on germinal center follicular dendritic cells, and on thymic medullary reticular fibroblasts and epithelial cells (PMID: 2137649; 9553767). CD73 is highly expressed in many human solid tumors and is closely involved in cancer progression (PMID: 20179192).

## Notable Publications

| Author    | Pubmed ID | Journal | Application |
|-----------|-----------|---------|-------------|
| Qingxi Qu | 36359787  | Cells   | FC          |

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide and 0.5% BSA.

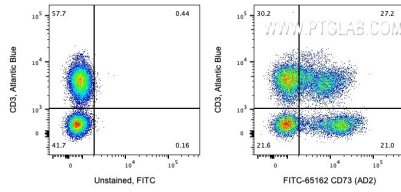
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

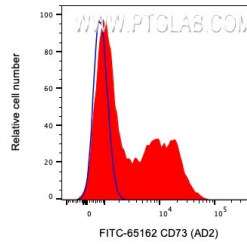
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



1X10<sup>6</sup> human PBMCs were surface co-stained with Atlantic Blue Anti-Human CD3 and 5 ul FITC Anti-Human CD73 (FITC-65162, Clone:AD2) or unstained. Cells were not fixed. Lymphocytes were gated.



1X10<sup>6</sup> human PBMCs were surface stained with 5 ul FITC Anti-Human CD73 (FITC-65162, Clone:AD2) or unstained. Cells were not fixed. Lymphocytes were gated.